

Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

Claims 1-22. (Cancelled).

23. (Previously presented) A solid imaging apparatus, said apparatus including:

- (i) a vessel containing a photoformable composition;
- (ii) a movable platform disposed within said vessel;
- (iii) a sub-assembly comprising a movable dispenser, said movable dispenser defining an opening;

wherein said sub-assembly is adapted to both receive and deposit part of said photoformable composition through said opening.

24. (Previously presented) The apparatus of claim 23, wherein said opening is a downwardly facing elongated slot.

25. (Previously presented) The apparatus of claim 23, wherein said movable dispenser is adapted to deposit part of said photoformable composition above said platform.

26. (Previously presented) The apparatus of claim 23, wherein said apparatus further comprises a radiation source capable of curing said photoformable composition.

27. (Previously presented) The apparatus of claim 23, wherein said dispenser comprises a pair of plates that hold the lifted composition therebetween.

28. (Previously presented) The apparatus of claim 23, wherein said dispenser includes a holding mechanism that holds the lifted composition above the surface of said photoformable composition in the vessel.

29. (Previously presented) The apparatus of claim 23, wherein the dispenser includes a blade with an edge positioned at the surface of said photoformable composition in the vessel.

30. (Previously presented) The apparatus of claim 23, wherein said dispenser includes a blade with a holding mechanism that holds lifted composition against a surface of the blade.

31. (Previously presented) The apparatus of claim 23, wherein the dispenser includes a pair of plates that form a holding chamber therebetween, wherein a portion of the composition is retained within the chamber while another portion of the composition is allowed to flow from the chamber by force of gravity.

Claims 32-51. (Cancelled).

52. (Previously presented) A solid imaging system comprising:

- (a) a photoformable composition including free radical polymerizable material; and
- (b) an apparatus including
 - (i) a vessel for containing said photoformable composition;
 - (ii) a movable platform disposed within said vessel;
 - (iii) a sub-assembly comprising a movable dispenser, said movable dispenser defining an opening;

wherein said sub-assembly is adapted to both receive and deposit part of said photoformable composition through said opening.

53. (Previously presented) The system of claim 52, wherein said opening is a downwardly facing elongated slot.

54. (Previously presented) The system of claim 52, wherein said movable dispenser is adapted to deposit part of said photoformable composition above said platform.

55. (Previously presented) The system of claim 52, wherein said apparatus further comprises a radiation source capable of curing said photoformable composition.

56. (Previously presented) The system of claim 52, wherein said dispenser comprises a pair of plates that hold the lifted composition therebetween.

57. (Previously presented) The system of claim 52, wherein said dispenser includes a holding mechanism that holds the lifted composition above the surface of said photoformable composition in the vessel.

58. (Previously presented) The system of claim 52, wherein the dispenser includes a blade with an edge positioned at the surface of said photoformable composition in the vessel.

59. (Previously presented) The system of claim 52, wherein said dispenser includes a blade with a holding mechanism that holds lifted composition against a surface of the blade.

60. (Previously presented) The system of claim 52, wherein the dispenser includes a pair of plates that form a holding chamber therebetween, wherein a portion of the composition is retained within the chamber while another portion of the composition is allowed to flow from the chamber by force of gravity.

61. (Previously presented) The system of claim 52, wherein said composition further comprises cationically polymerizable material.

62. (Previously presented) The system of claim 52, wherein said free radical polymerizable material includes ethoxylated trimethylopropane triacrylate.

63. (Previously presented) The system of claim 61, wherein said free radical polymerizable material includes ethoxylated trimethylopropane triacrylate.

64. (Previously presented) The system of claim 52, wherein said composition comprises thermally coalescible polymeric cohesive material.

65. (New) A solid imaging system comprising:

- (a) an apparatus; and
- (b) a photoformable composition adapted for use in said apparatus;

wherein

said composition comprises

- (i) an ethylenically unsaturated monomer; and

said apparatus comprises

- (i) a vessel for containing said composition;
- (ii) a movable platform disposed within said vessel;
- (iii) a sub-assembly comprising a movable dispenser, said movable dispenser defining an opening, said sub-assembly being adapted to both receive and deposit part of said photoformable composition through said opening; and
- (iv) a radiation source capable of curing said photoformable composition.

66. (New) The system of claim 65, wherein said dispenser includes a holding mechanism that holds the lifted composition above the surface of said photoformable composition in the vessel.

67. (New) The system of claim 65, wherein the dispenser includes a pair of plates that form a holding chamber therebetween, wherein a portion of the composition is retained within the chamber while another portion of the composition is allowed to flow from the chamber by force of gravity.

68. (New) The system of claim 65, wherein said composition further comprises cationically polymerizable material.

69. (New) The system of claim 65, wherein said free radical polymerizable material includes ethoxylated trimethylolpropane triacrylate.

70. (New) The system of claim 65, wherein said composition further comprises thermally coalescible polymeric cohesive material.

71. (New) A solid imaging system comprising:

- (a) an apparatus; and
- (b) a photoformable composition adapted for use in said apparatus;

wherein

 said composition comprises

- (i) free radical polymerizable material; and

 said apparatus comprises

- (i) a vessel for containing said composition;
- (ii) a movable platform disposed within said vessel;
- (iii) a sub-assembly comprising a movable dispenser, said movable dispenser defining an opening, said sub-assembly being adapted to both receive and deposit part of said photoformable composition through said opening; and

(iv) a radiation source capable of curing said photoformable composition;

wherein said dispenser includes a holding mechanism that holds the lifted composition above the surface of said photoformable composition, said holding mechanism including a pair of plates that form a holding chamber therebetween, wherein a portion of the composition is retained within the chamber while another portion of the composition is allowed to flow from the chamber by force of gravity.